



A SPARTAN MOTORS
BRAND



CHARLOTTE FIRE DEPARTMENT, NC

105' REARMOUNT AERIAL

SOLD BY: ATLANTIC COAST FIRE TRUCKS

Cab & Chassis

- ▶ Spartan Gladiator EMFD Flat Roof
- ▶ Advanced Occupant Protection System
- ▶ Cummins ISX12 - 500HP Engine
- ▶ Allison 4000 Series EVS Transmission with Retarder
- ▶ V-Mux Display
- ▶ 5 Person Cab - Bostrom Seats
- ▶ Advanced Climate Control System
- ▶ GAWR 77,000# Front 23,000# Rear 54,000#
- ▶ Meritor MFS Front Axle / RT-52-185 Rear Axle
- ▶ Ridewell RD-202 Rear Suspension
- ▶ 234" Wheelbase
- ▶ Extreme Duty Interior

Pump & Plumbing

- ▶ 400 Gallon UPF Tank
- ▶ 30 Gallon UPF Foam Cell
- ▶ Darley EM Pump, 2000 GPM
- ▶ Williams ATP 1500 Foam System, Class B
- ▶ FRC Pump Boss 400 Pressure Governor
- ▶ 2" Pump to Tank Fill
- ▶ 3" Tank to Pump
- ▶ (1) 6" Main Intake, Driver's Side
- ▶ (1) 6" Main Intake, Officer's Side
- ▶ (1) 2-1/2" Auxiliary Intake, Driver's Side
- ▶ (1) 2-1/2" Auxiliary Intake, Officer's Side
- ▶ Pre-Connects: (1) 1 1/2" Front Bumper, (2) 1 1/2" Crosslays, (1) 2 1/2" Crosslay
- ▶ (2) 2-1/2" Discharge, Driver's Side
- ▶ (1) 2-1/2" Discharge, Officer's Side
- ▶ (1) 4" Discharge, Officer's Side
- ▶ (1) 4" Discharge, Aerial Waterway

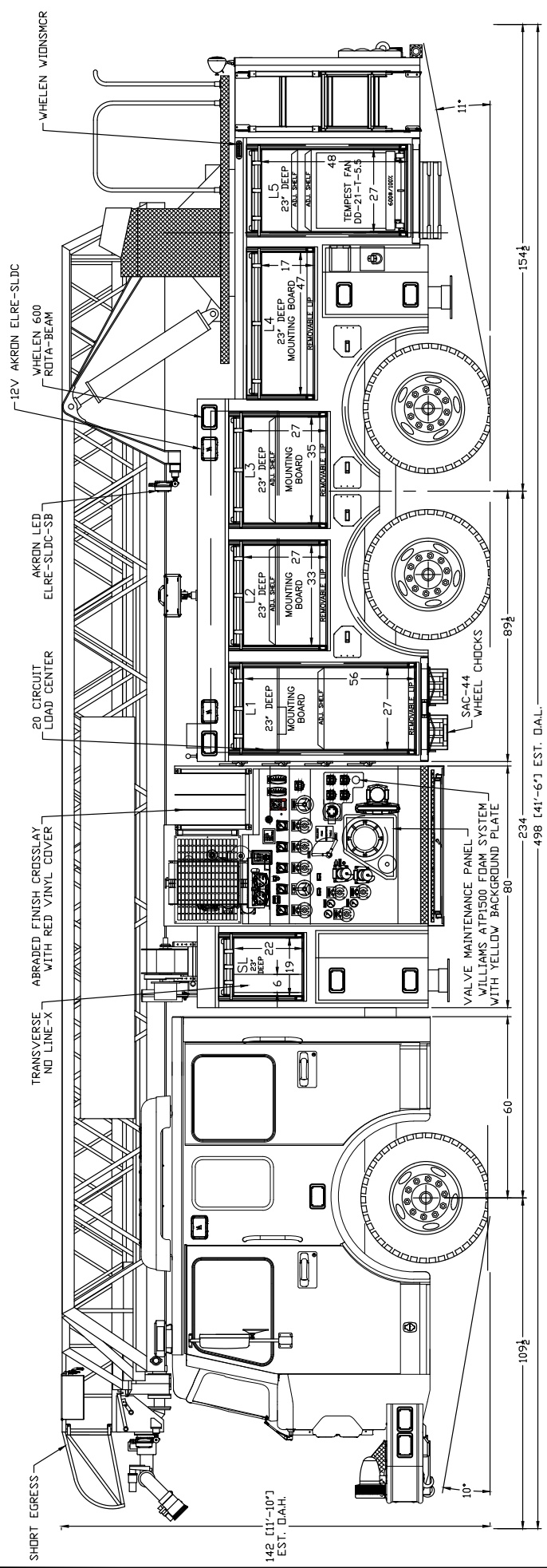
Body

- ▶ 1/8" Aluminum Body
- ▶ Side Hose Bed, 800' of 5"
- ▶ Hansen Roll-up Side and Rear Compartment Doors
- ▶ Hansen LED Compartment Lighting
- ▶ Compartment Finish - Gray Line-X
- ▶ GS-36 Hot Dip Galvanized Steel Sub Frame
- ▶ Duo-Safety Ground Ladder Package: (1) 40' 3-section, (1) 28' 2-Section, (2) 16' Roof, (1) 10' Attic
- ▶ Nupla Pike Pole Package: (2) 12', (2) 8', (2) 6'
- ▶ 17" Little Giant Defender
- ▶ Whelen Rota-Beam Warning Light Package
- ▶ SG-09 Auxiliary Power Unit, 360A Niehoff Alternator
- ▶ (2) Hannay Cord Reel, 120V, 200' 10/3 Yellow Cord
- ▶ (4) Akron Surface Mount Scene Lights, Revel LED 900, 14, 000 Lumen
- ▶ (2) Akron Brow Mount Scene Lights, 12V Scene Star LED
- ▶ (1) Akron Tripod Scene Light, 120V Scene Star LED
- ▶ (2) FRC Telescoping Scene Lights, 120V Spectra LED

Aerial Features

- ▶ 4-Section 100 ksi Steel Ladder
- ▶ 750 lbs. Unrestricted Tip Load
- ▶ 1500 GPM Flow Capacity
- ▶ 105' Vertical Height at 72 degrees
- ▶ 101' Horizontal Reach
- ▶ Front and Rear "H" Style Stabilizers - 16'/18' Spread
- ▶ AL-11 Turntable Control Console
- ▶ Aerial Load Sensing System
- ▶ (2) FRC Aerial Tip Lights, 120V Spectra LED
- ▶ 4" Waterway Inlet, Officer's Side
- ▶ Electric Positional Waterway controlled at the turntable
- ▶ Aerial Monitor, Akron, StreamMaster II 3480 w/ Wireless Remote
- ▶ Aerial Nozzle, Akron, Akromatic, 1500 GPM
- ▶ Monitor Stow Feature
- ▶ Rope Rescue Package
- ▶ Blue LED Rung Lighting
- ▶ Stokes Basket Storage, Officer's Side Base Section
- ▶ Roof Ladder Storage, Officer's Side Fly Section - (1) Duo-Safety 16' Special Width
- ▶ Pike Pole Storage, Driver's Side Fly Section - (1) Nupla 6'
- ▶ Fly Section Axe Mounting Bracket





FOR REFERENCE PURPOSES ONLY

CHASSIS: SPARTAN EMFD FLAT ROOF
 PUMP: DARLEY EM 2000 GPM
 WATER TANK: 400 GAL
 FOAM TANK: 30 GAL
 BODY: 1/8 ALUMINUM
 HOSE BED: 800' DF 5' / 37 CUBIC FEET
 GENERATOR: SG-09 AUXILIARY POWER UNIT
 AL-11 AERIAL INFORMATION SYSTEM

SHOP ORDER

Revisions		SMEAL FIRE APPARATUS SNYDER, NE 68664	
ML	REVISED 5/10/17	Drawn by:	ML
KS	REVISED 7/6/17	Scale:	3/8"=1'
		Date:	10/27/16
		Chk'd:	11 x 17
			SO
		CHARLOTTE, NC 105 AERIAL	
		Material	
		Drawing No. S4704-5	



A SPARTAN MOTORS BRAND

Approval Signatures	Date
CUSTOMER	
DEALER	
SMEAL SALES	
PRODUCTION	
ENGINEERING	

